

CLAIMS

What is claimed is:

1. A chair for providing dynamic thrust to exercise the lumbar area of the spine, comprising:

a base assembly having a seat and a leg assembly attached to said seat, said seat having a rearward edge and a forward edge, said leg assembly configured to support said chair; and

a lumbar thrust assembly pivotally attached to said base assembly, said lumbar roller assembly having a lumbar roller configured to project forward and upward relative to said rearward edge of said seat so as to apply a dynamic thrust motion to the lumbar area of the spine, said lumbar roller spatially disposed from said base assembly.

2. The chair according to claim 1, wherein said lumbar thrust assembly further comprises a back support assembly, said back support assembly having a backrest frame pivotally attached to said base assembly, said lumbar roller attached to said backrest frame to pivot therewith, said lumbar roller spatially disposed from said backrest frame.

3. The chair according to claim 2, wherein said base assembly further comprises one or more vertical members attached to said seat and extending generally upwardly therefrom, said backrest frame attached to said one or more vertical members.

4. The chair according to claim 3, wherein said backrest frame is pivotally attached to said one or more vertical members.

5. The chair according to claim 2, wherein said back support assembly has a backrest member to abut the user's back.

6. The chair according to claim 2, wherein said lumbar thrust assembly further comprises one or more roller support members and one or more thrust support members, said one or more roller support members attached to said lumbar roller, said one or more thrust support members interconnecting said roller support members and said backrest frame.

7. The chair according to claim 6, wherein said backrest frame has one or more channel members, each of said one or more channel members configured to slidably receive and engage one of said one or more thrust support members.

8. The chair according to claim 1 further comprising a motor operatively connected to said lumbar roller assembly to selectively project said lumbar roller forward and upward.

9. The chair according to claim 8 further comprising a controller unit operatively connected to said motor for selectively engaging said motor and operating said lumbar roller assembly.

10. A chair for providing dynamic thrust to exercise the lumbar area of the spine, comprising:

a base assembly having a seat, a leg assembly and one or vertical members, said seat having a rearward edge and a forward edge, said leg assembly attached to said seat, said leg assembly configured to support said chair, said one or more vertical members attached to said seat and extending generally upwardly therefrom;

a back support assembly pivotally attached to said base assembly; and

a lumbar thrust assembly attached to said back support assembly and configured to pivot therewith, said lumbar roller assembly having a lumbar roller configured to project forward and upward relative to said rearward edge of said seat so as to apply a dynamic thrust motion to the lumbar area of the spine, said lumbar roller spatially disposed from said back support assembly.

11. The chair according to claim 10, wherein said lumbar thrust assembly further comprises one or more roller support members and one or more thrust support members, said one or more roller support members attached to

said lumbar roller, said one or more thrust support members interconnecting said roller support members and said back support assembly.

12. The chair according to claim 11, wherein said back support assembly has a backrest frame pivotally attached to said one or more vertical members of said base assembly, said lumbar thrust assembly attached to said backrest frame.

13. The chair according to claim 12, wherein said backrest frame has one or more channel members, each of said one or more channel members configured to slidably receive and engage one of said one or more thrust support members.

14. The chair according to claim 10 further comprising a motor operatively connected to said lumbar roller assembly to selectively project said lumbar roller forward and upward.

15. The chair according to claim 14 further comprising a controller unit operatively connected to said motor for selectively engaging said motor and operating said lumbar roller assembly.

16. A chair for providing dynamic thrust to exercise the lumbar area of the spine, comprising:

a base assembly having a seat, a leg assembly and one or vertical members, said seat having a rearward edge and a forward edge, said leg

assembly attached to said seat, said leg assembly configured to support said chair, said one or more vertical members attached to said seat and extending generally upwardly therefrom;

 a back support assembly having a backrest frame pivotally attached to said one or more vertical members of said base assembly; and

 a lumbar thrust assembly attached to said backrest frame and configured to pivot therewith, said lumbar roller assembly having a lumbar roller, one or more roller support members and one or more thrust support members, said lumbar roller spatially disposed from said backrest frame and configured to project forward and upward relative to said rearward edge of said seat so as to apply a dynamic thrust motion to the lumbar area of the spine, said one or more roller support members attached to said lumbar roller, said one or more thrust support members interconnecting said one or more roller support members and said backrest frame.

17. The chair according to claim 16, wherein said backrest frame further comprises one or more channel members, each of said one or more channel members configured to slidably receive and engage one of said one or more thrust support members.

18. The chair according to claim 16 further comprising a motor operatively connected to said lumbar roller assembly to selectively project said lumbar roller forward and upward.

19. The chair according to claim 18 further comprising a controller unit operatively connected to said motor for selectively engaging said motor and operating said lumbar roller assembly.